



WEB SURFING SCIENCE!

Name: _____

Date: _____

Part I: Potential and Kinetic Energy

Part II: Energy Kids

Part III: Amusement Park Physics

Part I: Potential and Kinetic Energy

Web Address: http://education.jlab.org/jsat/powerpoint/0708_potential_and_kinetic.ppt

1. What is an example of gravitational potential energy?

2. What type of energy is in a battery?

3. When does a skier have the greatest potential energy?

4. When does a skier have the greatest kinetic energy?



Part II: Energy Kids

Web Address: <http://www.eia.doe.gov/kids/index.cfm>

1. Explain the difference between potential and kinetic energy.

2. Categorize the following forms of energy as potential or kinetic energy, mechanical energy, thermal energy, electrical energy, chemical energy, nuclear energy, or radiant energy

POTENTIAL ENERGY	KINETIC ENERGY

Part III: Amusement Park Physics

Web Address: <http://learner.org/interactives/parkphysics/>

1. How does the height of the first hill of a coaster affect the remainder of the ride?

2. What is the relationship between the hill's height and the speed of the coaster?

3. What type of energy does the roller coaster have when it reaches the top of a hill?

